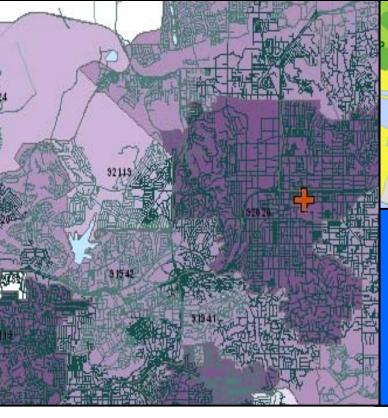
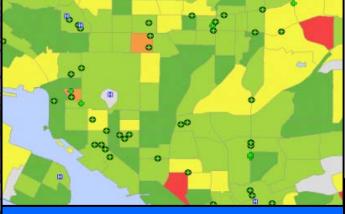


Chronic Disease Atlas - Coronary Heart Disease San Diego County







DECEMBER 2010

Coronary Heart Disease (CHD) Medical Encounter* Rates San Diego County by Subregional Area, by Year

- *CHD deaths refer to underlying (single) cause of death, ICD-10 codes I11, I20-I25.
- *CHD hospitalizations refer to principal diagnosis, ICD-9 CM codes 402, 410-414, 429.2.
- *CHD ED discharges refer to principal diagnosis, ICD-9 CM codes 402, 410-414, 429.2

Medical Encounters*

Death Data is based on underlying cause of death (not multiple causes) and uses ICD-10 codes. Those included are residents of San Diego County with known zip code of residence.

Source: Death Statistical Master Files (CA Department of Public Health), County of San Diego, Health & Human Services Agency, Epidemiology & Immunization Services Branch.

Hospital Data is based on principal diagnosis and uses ICD-9 CM codes. Those included are residents of San Diego County with known zip code of residence.

Source: Hospital Discharge Data, (CA OSHPD), County of San Diego, Health & Human Services Agency, Epidemiology & Immunization Services Branch.

Emergency Department (ED) Data is based on principal diagnosis and uses ICD-9 CM codes. ED discharges are those patients treated and discharged from the ED. Patients admitted to the hospital are not included here, but in the hospitalization data. Those included are residents of San Diego County with known zip code of residence.

Source: HASD&IC, County of San Diego, Health & Human Services Agency, Emergency Medical Services, Emergency Department Database.

Population Data Source: San Diego Association of Governments (SANDAG), Current Population Estimates, 4/24/2009.

Data (rates) prepared by County of San Diego, Health & Human Services Agency, Public Health Services, Community Health Statistics Unit, from Community Profile.

Maps prepared by County of San Diego, Health & Human Services Agency, Public Health Services, Emergency Medical Services.

Contact Information:

Community Health Statistics Unit 6255 Mission Gorge Road San Diego, CA 92120 (619) 285-6479

<u>Isabel.Corcos@sdcounty.ca.gov</u> (Spatial Epidemiologist for EMS)

<u>Julie.Cooke@sdcounty.ca.gov</u> (Biostatistician/Epidemiologist for CHSU)

<u>Leslie.Ray@sdcounty.ca.gov</u> (Senior Epidemiologist for EMS and CHSU)

For more detailed explanation of geography, methods, and sources, see online Community Profile at www.SDHealthStatistics.com

Coronary Heart Disease (CHD) Death Rates Among San Diego County Residents by Subregional Area

Maps by Year:

2000

2001

2002

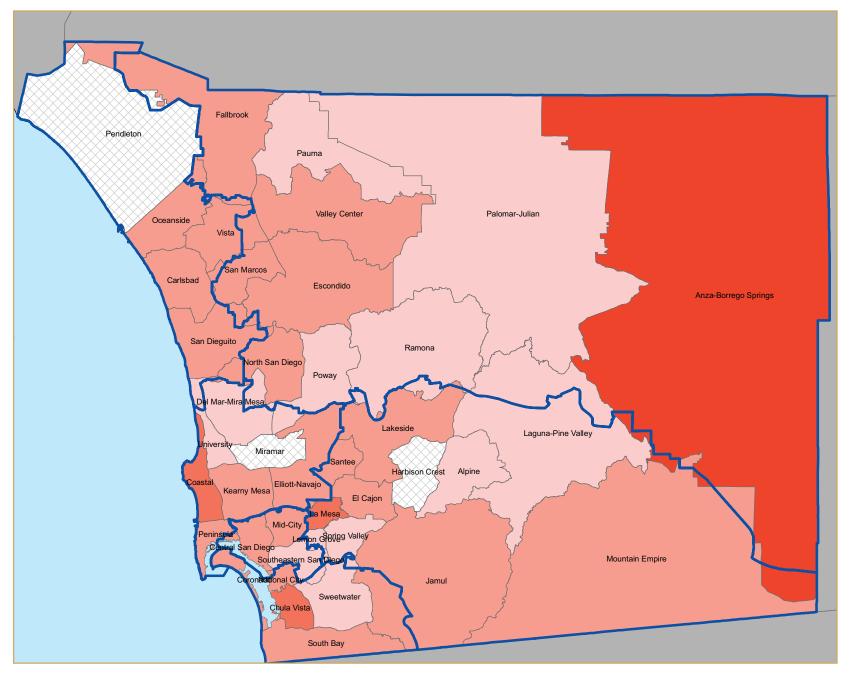
2003

2004

2005

2006

2007



Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County

1.0 - 120.0

120.1 - 240.0

240.1 - 360.0

360.1 - 480.0

480.1 - 600.0

Data not shown

HHSA Region











Source: Death Statistical Master Files (CA DPH), County of San Diego, Health & Human Services Agency, Epidemiology & Immunization Services Branch; SANDAG, Current Population Estimates, 4/24/2009.

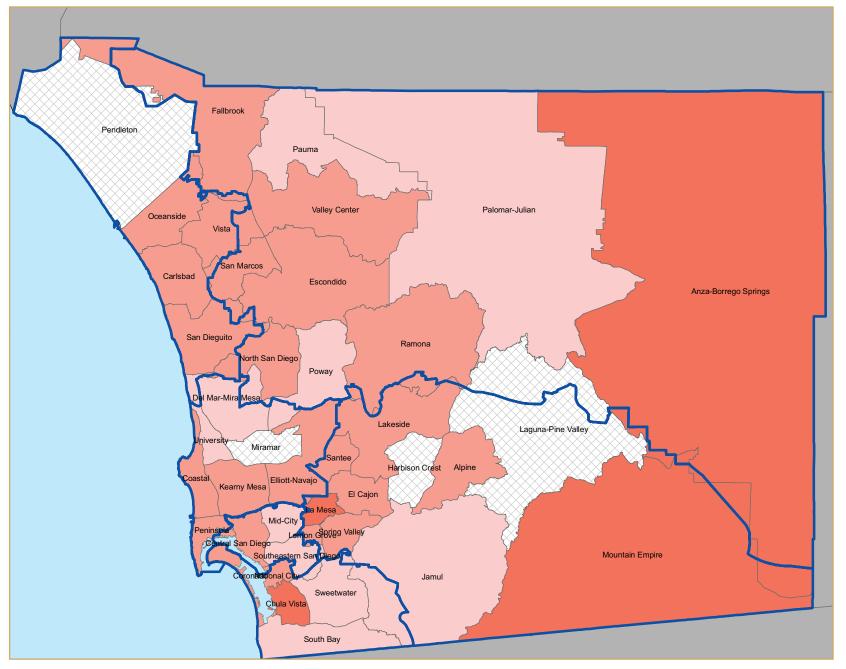
Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 9/10/2010.

Map Date: September, 2010 Contact: Isabel Corcos or Leslie Ray, County of San Diego Emergency Medical Services 619.285.6429

^{*} Rates per 100,000 population.

[†] Coronary Heart Disease death refers to (underlying cause of death). ICD-10 codes I-11, I20-I25.

[§] Rates not calculated for fewer than 5 events. Rates not calculated in cases where zip code is unknown or outside San Diego County.



Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County

1.0 - 120.0

120.1 - 240.0

240.1 - 360.0

360.1 - 480.0

480.1 - 600.0

Data not shown

HHSA Region











Source: Death Statistical Master Files (CA DPH), County of San Diego, Health & Human Services Agency, Epidemiology & Immunization Services Branch; SANDAG, Current Population Estimates, 4/24/2009.

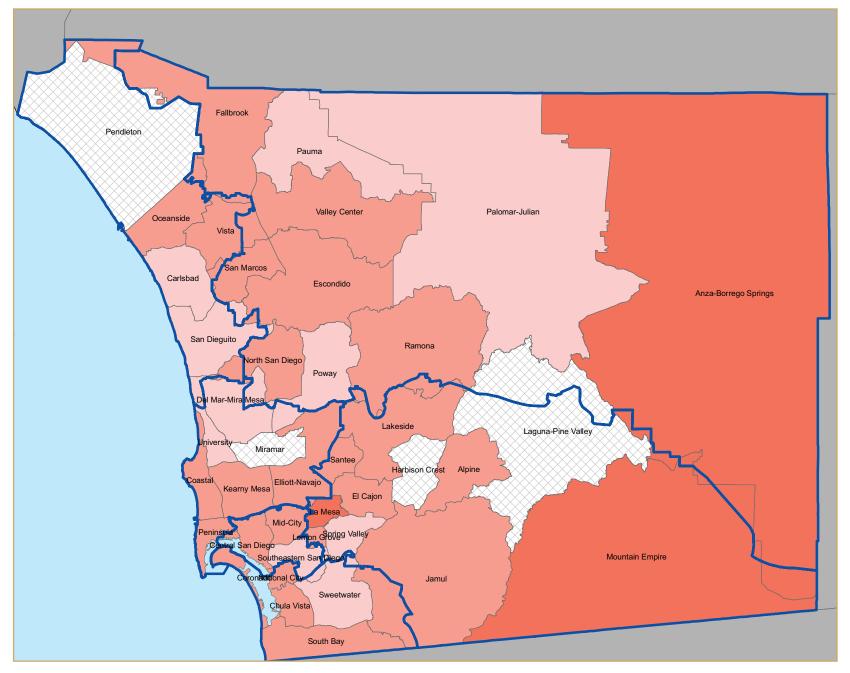
Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 9/10/2010.

Map Date: September, 2010 Contact: Isabel Corcos or Leslie Ray, County of San Diego Emergency Medical Services 619.285.6429

^{*} Rates per 100,000 population.

[†] Coronary Heart Disease death refers to (underlying cause of death). ICD-10 codes I-11, I20-I25.

[§] Rates not calculated for fewer than 5 events. Rates not calculated in cases where zip code is unknown or outside San Diego County.



Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County



1.0 - 120.0

120.1 - 240.0

240.1 - 360.0

360.1 - 480.0

300.1 - 400.0

480.1 - 600.0

Data not shown

HHSA Region











Map Date: September, 2010



Contact: Isabel Corcos or Leslie Ray, County of San Diego Emergency Medical Services 619.285.6429

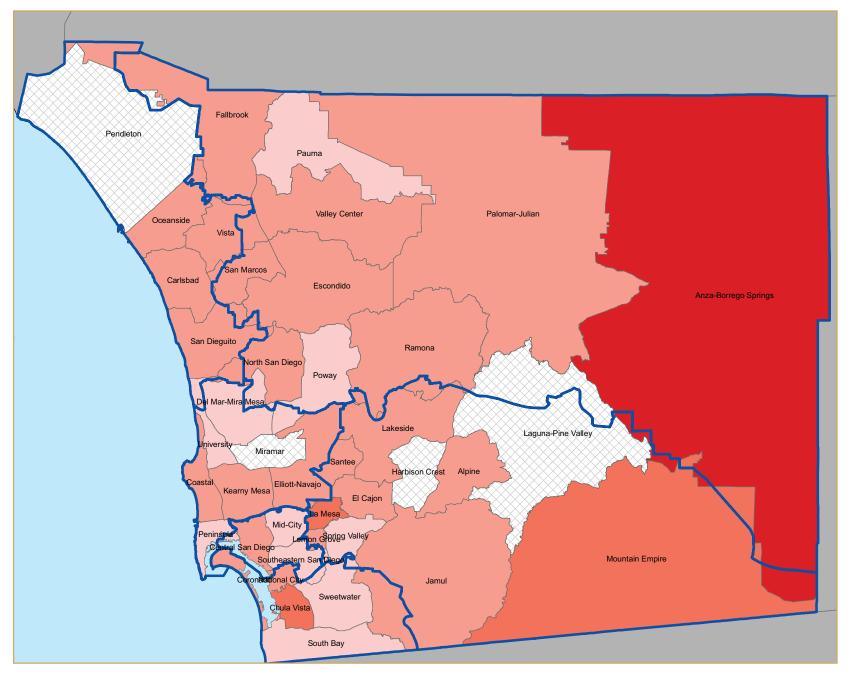
NAD_1983_StatePlane_California_VI_FIPS_0406_Feet, D_North_American_1983, Foot_US

Source: Death Statistical Master Files (CA DPH), County of San Diego, Health & Human Services Agency, Epidemiology & Immunization Services Branch; SANDAG, Current Population Estimates, 4/24/2009.

^{*} Rates per 100,000 population.

[†] Coronary Heart Disease death refers to (underlying cause of death). ICD-10 codes I-11, I20-I25.

[§] Rates not calculated for fewer than 5 events. Rates not calculated in cases where zip code is unknown or outside San Diego County.



Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County



1.0- 120.0

120.1 - 240.0

240.1 - 360.0

360.1 - 480.0

480.1 - 600.0

+00.1 000.0

Data not shown

HHSA Region











Source: Death Statistical Master Files (CA DPH), County of San Diego, Health & Human Services Agency, Epidemiology & Immunization Services Branch; SANDAG, Current Population Estimates, 4/24/2009.

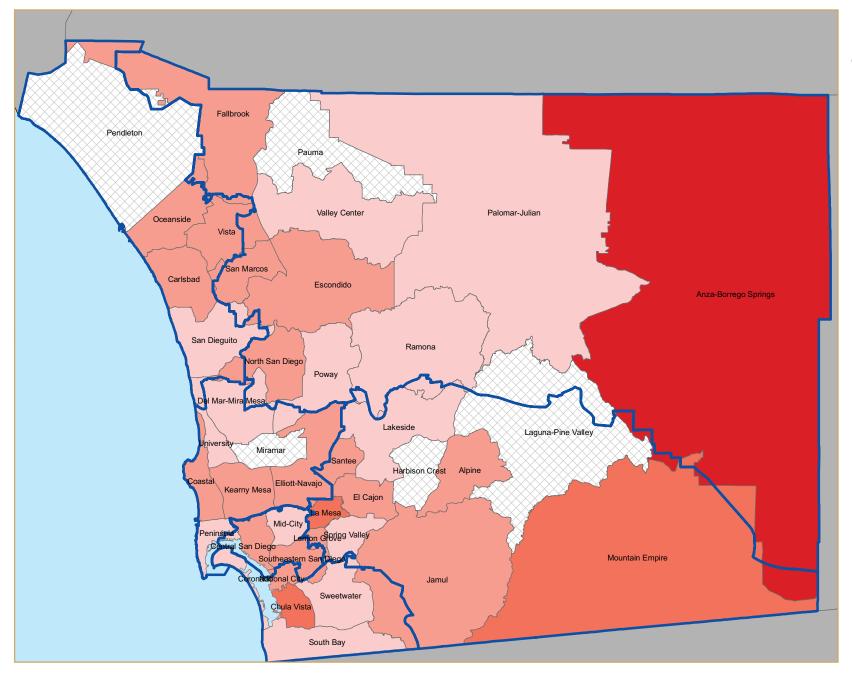
Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 9/10/2010.

Map Date: September, 2010 Contact: Isabel Corcos or Leslie Ray, County of San Diego Emergency Medical Services 619.285.6429

^{*} Rates per 100,000 population.

[†] Coronary Heart Disease death refers to (underlying cause of death). ICD-10 codes I-11, I20-I25.

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Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County



1.0 - 120.0

120.1 - 240.0

240.1 - 360.0

210.1 000.0

360.1 - 480.0

480.1 - 600.0

Data not shown

HHSA Region











Source: Death Statistical Master Files (CA DPH), County of San Diego, Health & Human Services Agency, Epidemiology & Immunization Services Branch; SANDAG, Current Population Estimates, 4/24/2009.

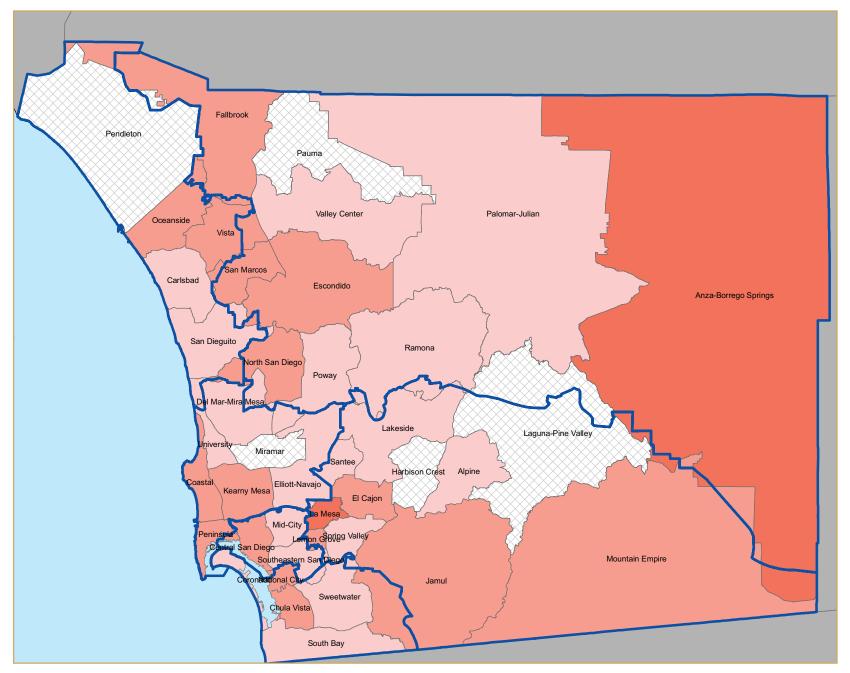
Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 9/10/2010.

Map Date: September, 2010 Contact: Isabel Corcos or Leslie Ray, County of San Diego Emergency Medical Services 619.285.6429

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[§] Rates not calculated for fewer than 5 events. Rates not calculated in cases where zip code is unknown or outside San Diego County.



Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County

1.0 - 120.0

120.1 - 240.0

240.1 - 360.0

360.1 - 480.0

480.1 - 600.0

Data not shown

Duta not snow

HHSA Region













Map Date: September, 2010 Contact: Isabel Corcos or Leslie Ray, County of San Diego Emergency Medical Services 619.285.6429

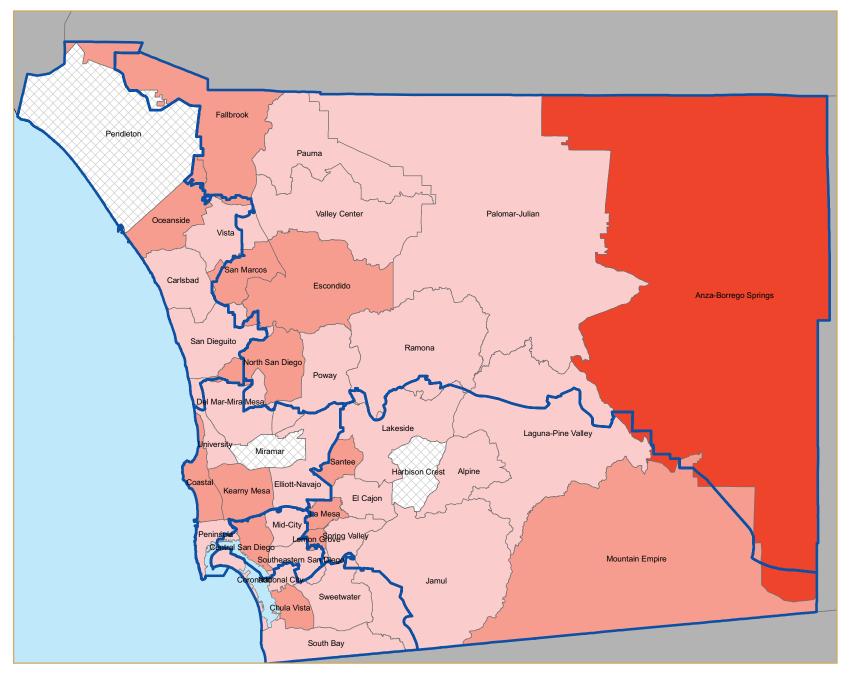
NAD_1983_StatePlane_California_VI_FIPS_0406_Feet, D_North_American_1983, Foot_US

Source: Death Statistical Master Files (CA DPH), County of San Diego, Health & Human Services Agency, Epidemiology & Immunization Services Branch; SANDAG, Current Population Estimates, 4/24/2009.

^{*} Rates per 100,000 population.

[†] Coronary Heart Disease death refers to (underlying cause of death). ICD-10 codes I-11, I20-I25.

[§] Rates not calculated for fewer than 5 events. Rates not calculated in cases where zip code is unknown or outside San Diego County.



Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County

1.0 - 120.0

120.1 - 240.0

240.1 - 360.0

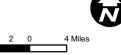
360.1 - 480.0

480.1 - 600.0

Data not shown













Source: Death Statistical Master Files (CA DPH), County of San Diego, Health & Human Services Agency, Epidemiology & Immunization Services Branch; SANDAG, Current Population Estimates, 4/24/2009.

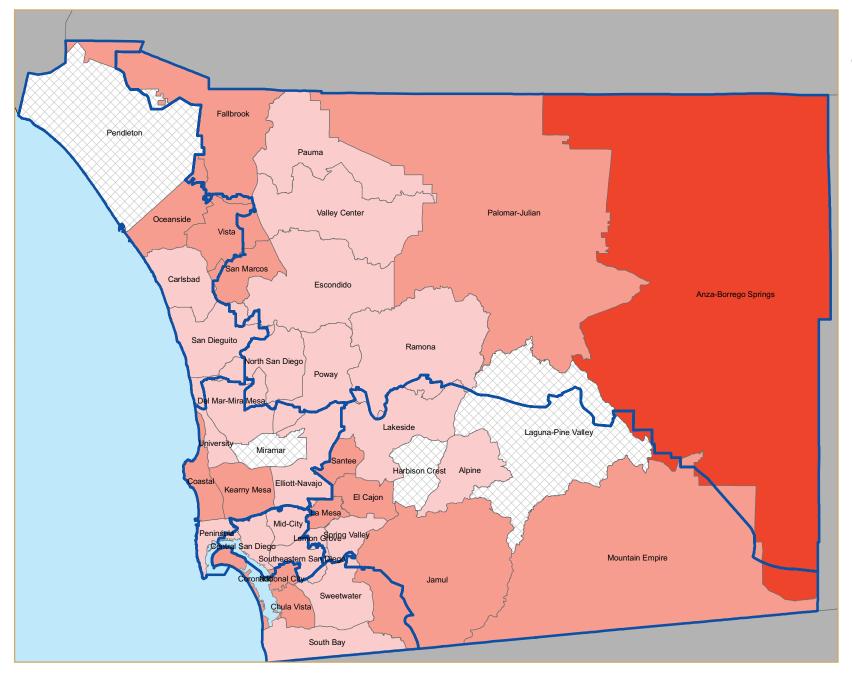
Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 9/10/2010.

Map Date: September, 2010 Contact: Isabel Corcos or Leslie Ray, County of San Diego Emergency Medical Services 619.285.6429

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Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County

1.0 - 120.0

120.1 - 240.0

240.1 - 360.0

360.1 - 480.0

480.1 - 600.0

400.1 - 000.0

Data not shown

HHSA Region











Source: Death Statistical Master Files (CA DPH), County of San Diego, Health & Human Services Agency, Epidemiology & Immunization Services Branch; SANDAG, Current Population Estimates, 4/24/2009.

Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 9/10/2010.

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[§] Rates not calculated for fewer than 5 events. Rates not calculated in cases where zip code is unknown or outside San Diego County.

Coronary Heart Disease (CHD) Hospitalization Rates Among San Diego County Residents by Subregional Area

Maps by Year:

2000

2001

2002

2003

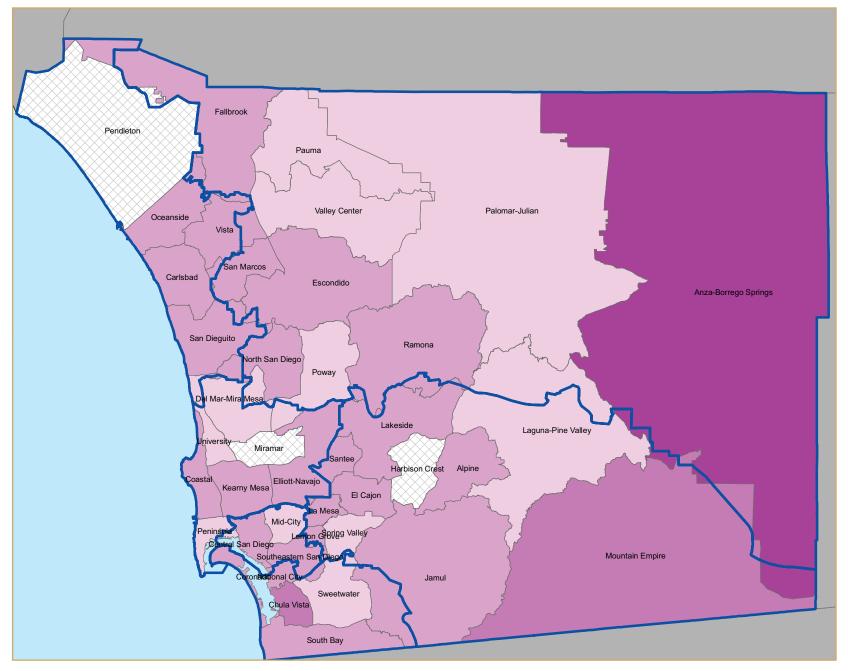
2004

2005

2006

2007

2008



Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County

1.0 - 440.0

440.1 - 880.0

880.1 - 1320.0

000.1 - 1320.0

1320.1 - 1760.0

1760.1 - 2200.0

Data not shown

HHSA Region













Source: Hospital Discharge Data, (CA OSHPD), County of San Diego, Health & Human Services Agency, Epidemiology & Immunization Services Branch; SANDAG, Current Population Estimates, 4/24/2009.

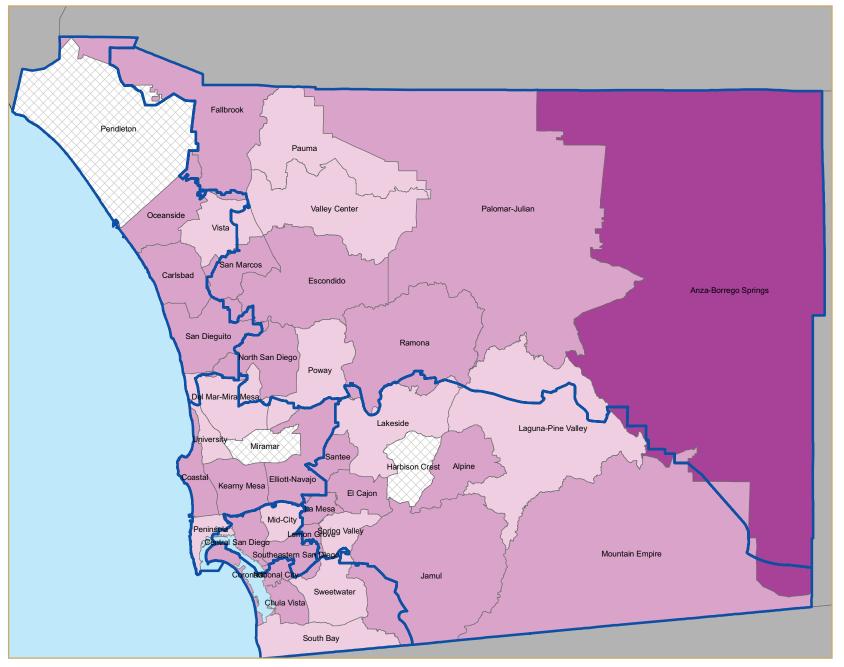
Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 9/10/2010.

Map Date: September, 2010 Contact: Isabel Corcos or Leslie Ray, County of San Diego Emergency Medical Services 619.285.6429

^{*} Rates per 100,000 population.

[†] Coronary Heart Disease hospitalization refers to (principal diagnosis) ICD 9 codes 402, 410-414, 429.2.

[§] Rates not calculated for fewer than 5 events. Rates not calculated in cases where zip code is unknown or outside San Diego County.



Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County

1.0 - 440.0

440.1 - 880.0

880.1 - 1320.0

1320.1 - 1760.0

1760.1 - 2200.0

Data not shown

HHSA Region











Source: Hospital Discharge Data, (CA OSHPD), County of San Diego, Health & Human Services Agency, Epidemiology & Immunization Services Branch; SANDAG, Current Population Estimates, 4/24/2009.

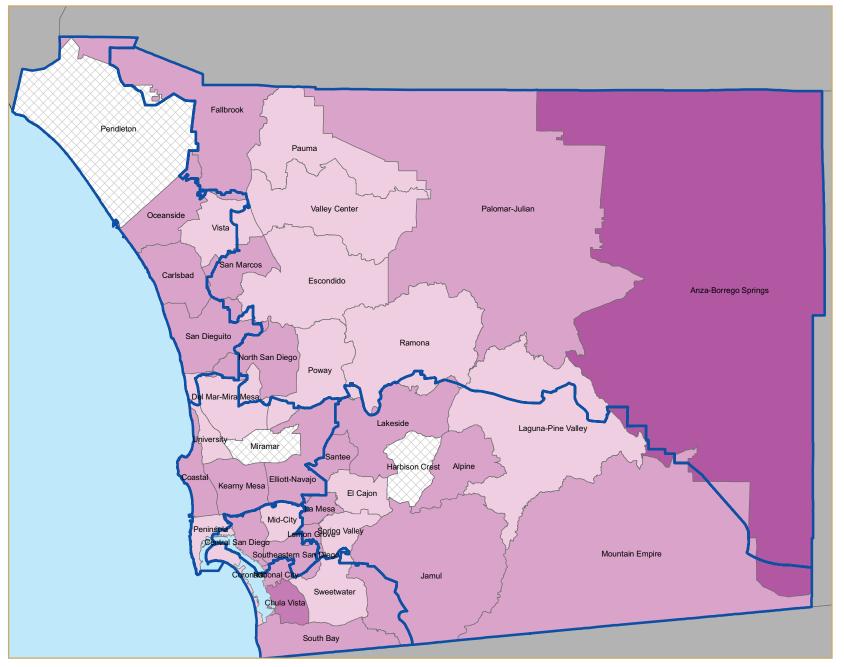
Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 9/10/2010.

Map Date: September, 2010 Contact: Isabel Corcos or Leslie Ray, County of San Diego Emergency Medical Services 619.285.6429

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Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County

1 - 440.0

440.1 - 880.0

880.1 - 1320.0

1320.1 - 1760.0

1760.1 - 2200.0

Data not shown

HHSA Region













Source: Hospital Discharge Data, (CA OSHPD), County of San Diego, Health & Human Services Agency, Epidemiology & Immunization Services Branch; SANDAG, Current Population Estimates, 4/24/2009.

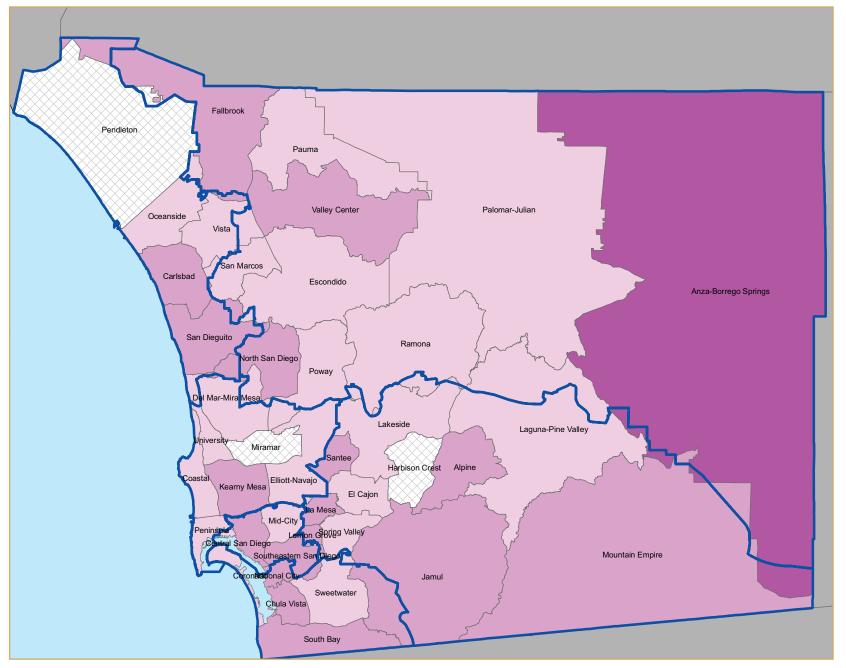
Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 9/10/2010.

Map Date: September, 2010 Contact: Isabel Corcos or Leslie Ray, County of San Diego Emergency Medical Services 619.285.6429

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Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County

1 - 440.0

440.1 - 880.0

880.1 - 1320.0

1320.1 - 1760.0

1760.1 - 2200.0

Data not shown

HHSA Region











Source: Hospital Discharge Data, (CA OSHPD), County of San Diego, Health & Human Services Agency, Epidemiology & Immunization Services Branch; SANDAG, Current Population Estimates, 4/24/2009.

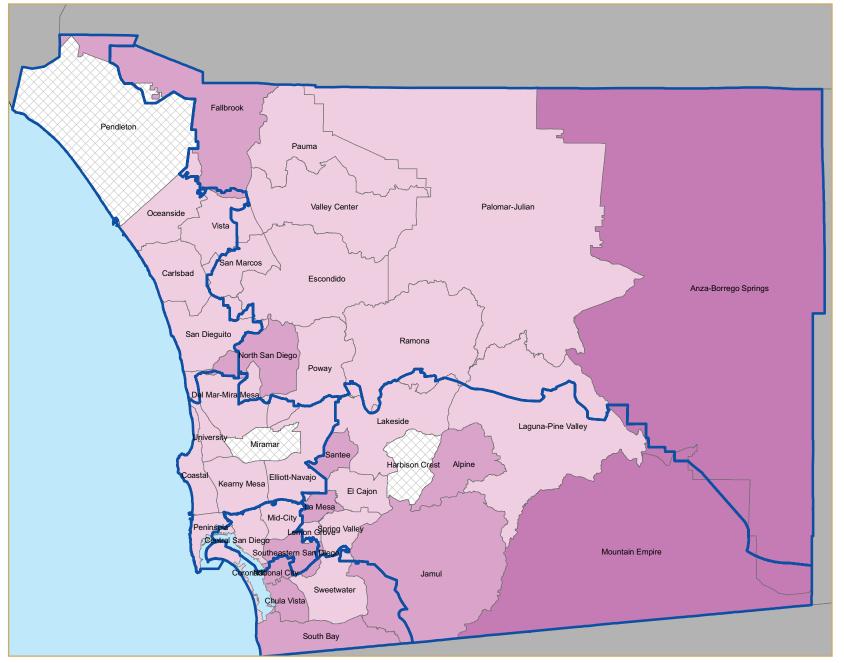
Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 9/10/2010.

Map Date: September, 2010 Contact: Isabel Corcos or Leslie Ray, County of San Diego Emergency Medical Services 619.285.6429

^{*} Rates per 100,000 population.

[†] Coronary Heart Disease hospitalization refers to (principal diagnosis) ICD 9 codes 402, 410-414, 429.2.

[§] Rates not calculated for fewer than 5 events. Rates not calculated in cases where zip code is unknown or outside San Diego County.



Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County



1.0 - 440.0

440.1 - 880.0

880.1 - 1320.0

000.1 - 1320.0

1320.1 - 1760.0

1760.1 - 2200.0

Data not shown

HHSA Region











Source: Hospital Discharge Data, (CA OSHPD), County of San Diego, Health & Human Services Agency, Epidemiology & Immunization Services Branch; SANDAG, Current Population Estimates, 4/24/2009.

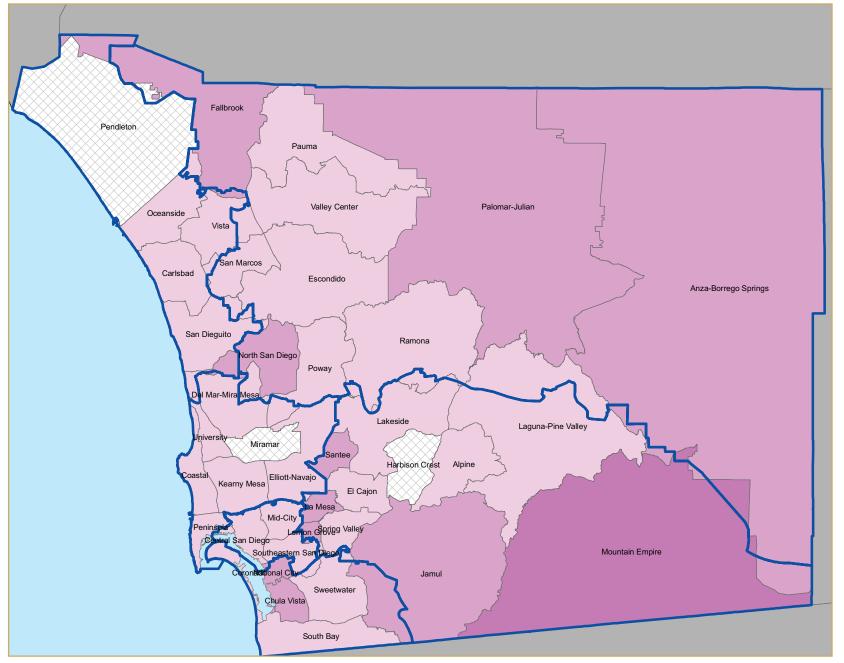
Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 9/10/2010.

Map Date: September, 2010 Contact: Isabel Corcos or Leslie Ray, County of San Diego Emergency Medical Services 619.285.6429

^{*} Rates per 100,000 population.

 $^{\ \, \}uparrow \text{ Coronary Heart Disease hospitalization refers to (principal diagnosis) ICD 9 codes 402,410-414,429.2.}$

[§] Rates not calculated for fewer than 5 events. Rates not calculated in cases where zip code is unknown or outside San Diego County.



Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County

1.0 - 440.0

440.1 - 880.0

880.1 - 1320.0

1320.1 - 1760.0

1760.1 - 2200.0

Data not shown

HHSA Region













Source: Hospital Discharge Data, (CA OSHPD), County of San Diego, Health & Human Services Agency, Epidemiology & Immunization Services Branch; SANDAG, Current Population Estimates, 4/24/2009.

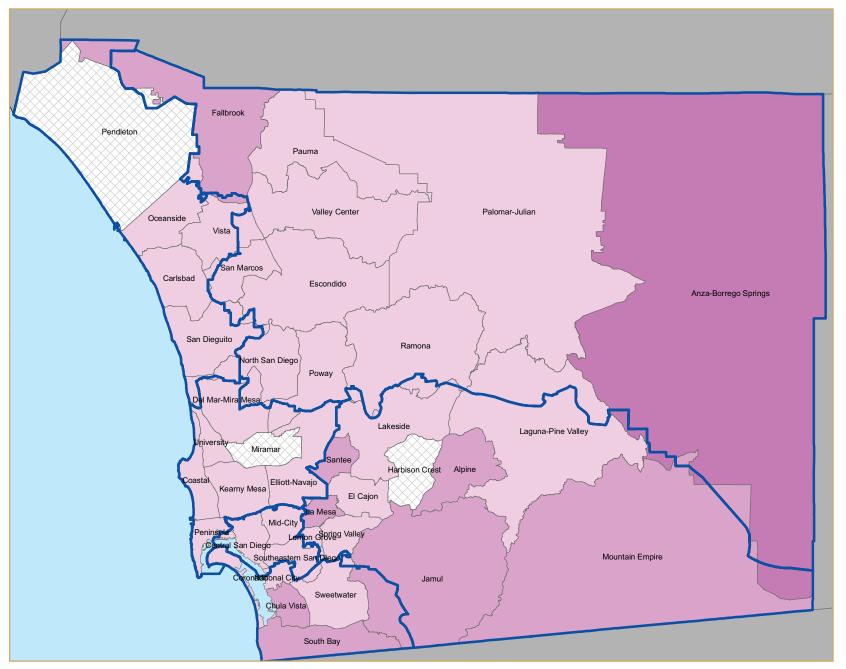
Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 9/10/2010.

Map Date: September, 2010 Contact: Isabel Corcos or Leslie Ray, County of San Diego Emergency Medical Services 619.285.6429

^{*} Rates per 100,000 population.

[†] Coronary Heart Disease hospitalization refers to (principal diagnosis) ICD 9 codes 402, 410-414, 429.2.

[§] Rates not calculated for fewer than 5 events. Rates not calculated in cases where zip code is unknown or outside San Diego County.



Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County

1.0 - 440.0

440.1 - 880.0

880.1 - 1320.0

4000 4 4700

1320.1 - 1760.0

1760.1 - 2200.0

Data not shown

HHSA Region











Map Date: September, 2010 Contact: Isabel Corcos or Leslie Ray, County of San Diego Emergency Medical Services 619.285.6429

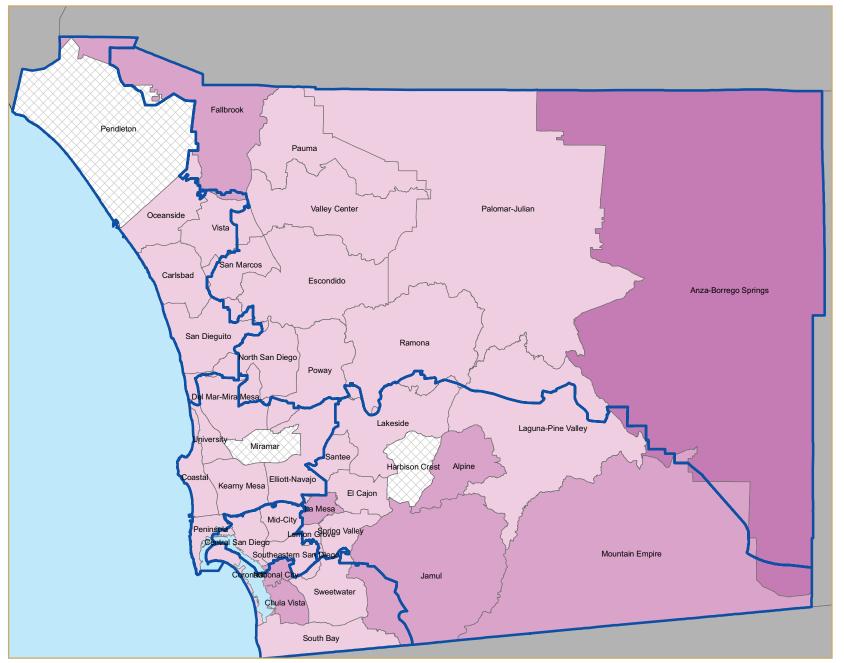
NAD_1983_StatePlane_California_VI_FIPS_0406_Feet, D_North_American_1983, Foot_US

Source: Hospital Discharge Data, (CA OSHPD), County of San Diego, Health & Human Services Agency, Epidemiology & Immunization Services Branch; SANDAG, Current Population Estimates, 4/24/2009.

^{*} Rates per 100,000 population.

[†] Coronary Heart Disease hospitalization refers to (principal diagnosis) ICD 9 codes 402, 410-414, 429.2.

[§] Rates not calculated for fewer than 5 events. Rates not calculated in cases where zip code is unknown or outside San Diego County.



Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County



1.0 - 440.0

440.1 - 880.0

440.1 - 000.0

880.1 - 1320.0

1320.1 - 1760.0

1760.1 - 2200.0

Data not shown

HHSA Region











Map Date: September, 2010 Contact: Isabel Corcos or Leslie Ray, County of San Diego Emergency Medical Services 619.285.6429

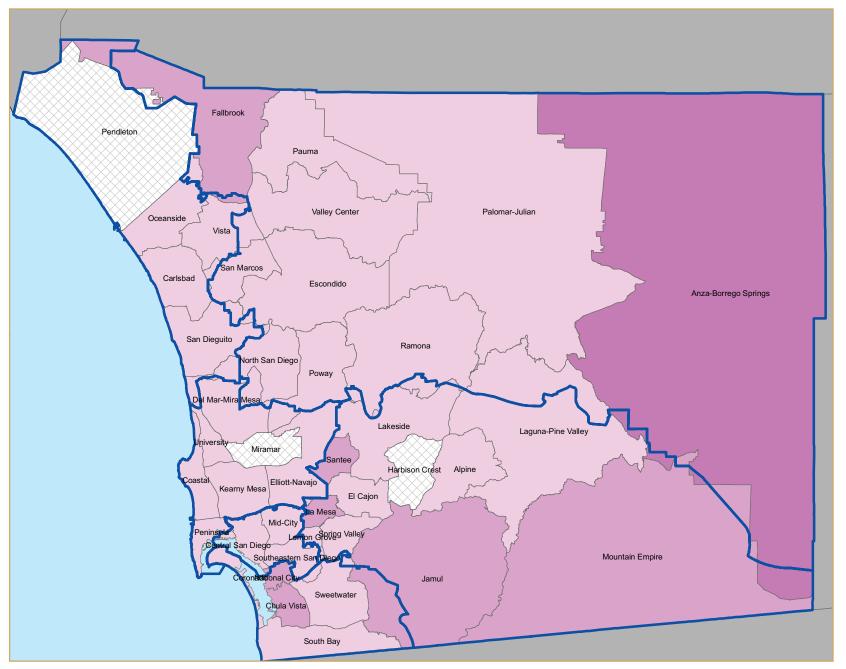
NAD_1983_StatePlane_California_VI_FIPS_0406_Feet, D_North_American_1983, Foot_US

Source: Hospital Discharge Data, (CA OSHPD), County of San Diego, Health & Human Services Agency, Epidemiology & Immunization Services Branch; SANDAG, Current Population Estimates, 4/24/2009.

^{*} Rates per 100,000 population.

[†] Coronary Heart Disease hospitalization refers to (principal diagnosis) ICD 9 codes 402, 410-414, 429.2.

[§] Rates not calculated for fewer than 5 events. Rates not calculated in cases where zip code is unknown or outside San Diego County.



Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County



1.0 - 440.0

440.1 - 880.0

11011 00010

880.1 - 1320.0

1320.1 - 1760.0

1760.1 - 2200.0

Data not shown

HHSA Region











Map Date: September, 2010 Contact: Isabel Corcos or Leslie Ray, County of San Diego Emergency Medical Services 619.285.6429

Source: Hospital Discharge Data, (CA OSHPD), County of San Diego, Health & Human Services Agency, Epidemiology & Immunization Services Branch; SANDAG, Current Population Estimates, 4/24/2009.

NAD_1983_StatePlane_California_VI_FIPS_0406_Feet, D_North_American_1983, Foot_US

^{*} Rates per 100,000 population.

[†] Coronary Heart Disease hospitalization refers to (principal diagnosis) ICD 9 codes 402, 410-414, 429.2.

[§] Rates not calculated for fewer than 5 events. Rates not calculated in cases where zip code is unknown or outside San Diego County.

Coronary Heart Disease (CHD) Emergency Department Discharge Rates Among San Diego County Residents by Subregional Area

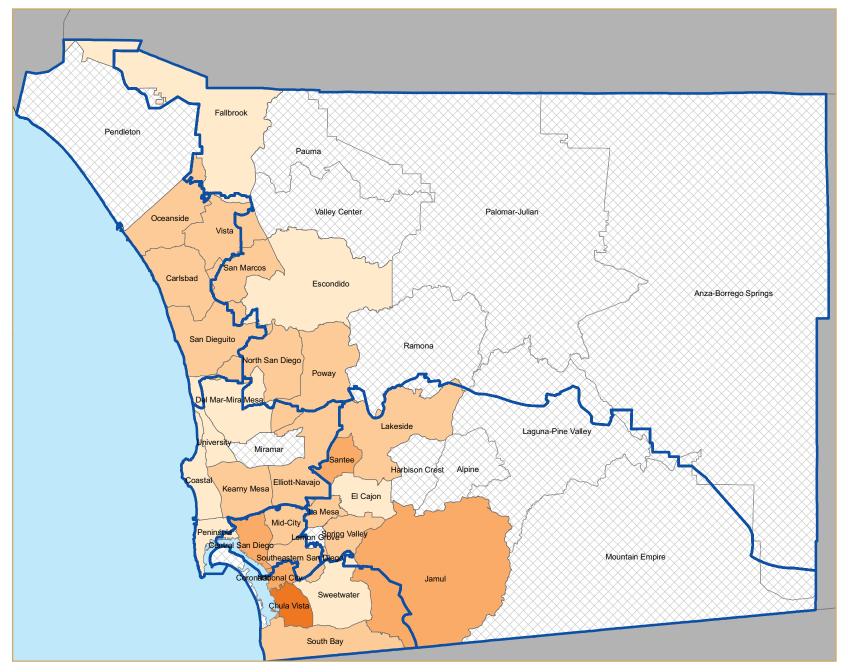
Maps by Year:

2006

2007

2008

Note: ED Discharge data is a new database. 2006 is first year of available data.



Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County

CHD ED Rates, 2006

1.0 - 20.0

1.0 20.0

20.1 - 40.0

40.1 - 60.0

60.1 - 80.0

80.1 - 100.0

Data not shown

HHSA Region











Map Date: September, 2010 Contact: Isabel Corcos or Leslie Ray, County of San Diego Emergency Medical Services 619.285.6429

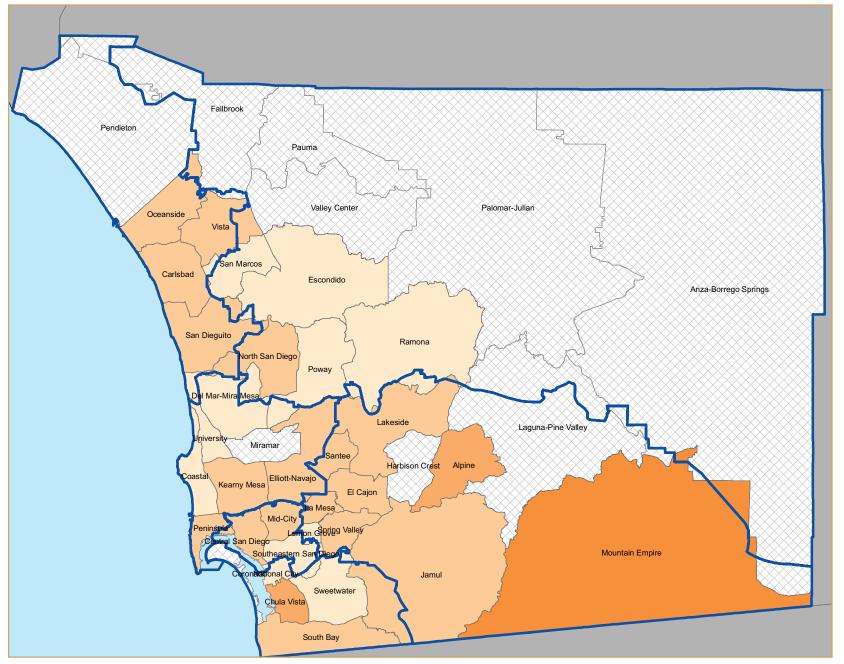
NAD_1983_StatePlane_California_VI_FIPS_0406_Feet, D_North_American_1983, Foot_US

Source: HASD&IC, CHIP, County of San Diego, Health & Human Services Agency, Emergency Medical Services, Emergency Department Database; SANDAG, Current Population Estimates, 4/24/2009.

^{*} Rates per 100,000 population.

[†] Coronary Heart Disease emergency department discharge refers to (principal diagnosis) ICD-9 codes 402, 410-414, 429.2.

[§] Rates not calculated for fewer than 5 events. Rates not calculated in cases where zip code is unknown or outside San Diego County.



Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County

CHD ED Rates, 2007

1.0 - 20.0

20.1 - 40.0

40.1 - 60.0

60.1 - 80.0

80.1 - 100.0

Data not shown

HHSA Region











Source: HASD&IC, CHIP, County of San Diego, Health & Human Services Agency, Emergency Medical Services, Emergency Department Database; SANDAG, Current Population Estimates, 4/24/2009.

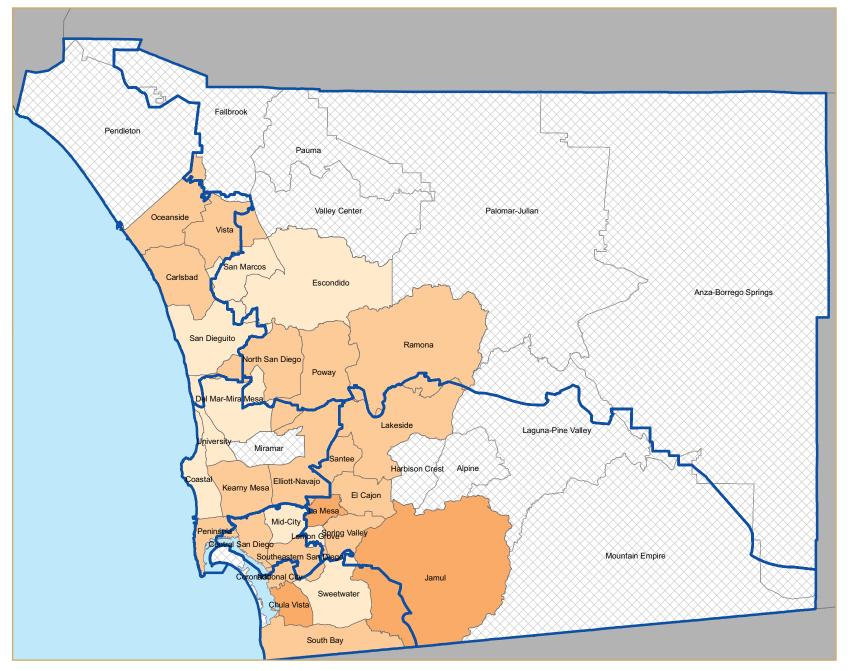
Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 9/10/2010.

Map Date: September, 2010 Contact: Isabel Corcos or Leslie Ray, County of San Diego Emergency Medical Services 619.285.6429

^{*} Rates per 100,000 population.

[†] Coronary Heart Disease emergency department discharge refers to (principal diagnosis) ICD-9 codes 402, 410-414, 429.2.

[§] Rates not calculated for fewer than 5 events. Rates not calculated in cases where zip code is unknown or outside San Diego County.



Chronic Disease Outcome Rates by Subregional Area (SRA) in San Diego County

CHD ED Rates, 2008

1.0 - 20.0

1.0 20.0

20.1 - 40.0

40.1 - 60.0

60.1 - 80.0

80.1 - 100.0

Data not shown

HHSA Region











* Rates per 100,000 population.
† Coronary Heart Disease emergency department discharge refers to (principal diagnosis) ICD-9 codes 402, 410-414, 429.2.

§ Rates not calculated for fewer than 5 events. Rates not calculated in cases where zip code is unknown or outside San Diego County.

Source: HASD&IC, CHIP, County of San Diego, Health & Human Services Agency, Emergency Medical Services, Emergency Department Database; SANDAG, Current Population Estimates, 4/24/2009.

Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 9/10/2010.

Map Date: September, 2010 Contact: Isabel Corcos or Leslie Ray, County of San Diego Emergency Medical Services 619.285.6429

County of San Diego
Health and Human Services Agency
Public Health Services
Community Health Statistics Unit
www.SDHealthStatistics.com

